CLAIMS

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- 1. A recombinant vesicular stomatitis virus (VSV) particle comprising a nucleic acid molecule encoding a foreign glycoprotein inserted into the viral genome.
- 2. The recombinant VSV particle according to claim 1 wherein the foreign glycoprotein is a VHF glycoprotein or an immunogenic fragment thereof.
- 3. The recombinant VSV particle according to claim 2 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus.
- 4. The recombinant VSV particle according to claim 1 wherein the nucleic acid molecule is inserted between the glycoprotein and polymerase genes of the viral genome.
- 5. The recombinant VSV particle according to claim 1 wherein the nucleic acid molecule is inserted adjacent to the nucleoprotein gene of the viral genome.
- 6. The recombinant VSV particle according to claim 1 wherein the nucleic acid molecule substantially replaces the VSV glycoprotein gene.
- 7. A nucleic acid molecule comprising recombinant vesicular stomatitis virus genome and a nucleic acid molecule encoding a foreign glycoprotein.
- 8. The nucleic acid molecule according to claim 7 wherein the foreign glycoprotein is a VHF glycoprotein or an immunogenic fragment thereof.
- 9. The nucleic acid molecule according to claim 8 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Machupo virus; a glycoprotein from Junin virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus

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- 10. The nucleic acid molecule according to claim 7 wherein the nucleic acid molecule is inserted between the glycoprotein and polymerase genes of the viral genome.
- 11. The nucleic acid molecule according to claim 7 wherein the nucleic acid molecule is inserted adjacent to the nucleoprotein gene of the viral genome.
- 12. The nucleic acid molecule according to claim 7 wherein the nucleic acid molecule substantially replaces the VSV glycoprotein gene.
- 13. A method of eliciting an immune response in an individual comprising:
- administering to an individual a recombinant vesicular stomatitis virus (VSV) particle comprising a nucleic acid molecule encoding a foreign glycoprotein inserted into the viral genome.
- 14. The method according to claim 13 wherein the foreign glycoprotein is a VHF glycoprotein or an immunogenic frágment thereof.
- 15. The method according to claim 14 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Machupo virus; a glycoprotein from Junin virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus
- 16. The method according to claim 13 wherein the nucleic acid molecule is inserted between the glycoprotein and polymerase genes of the viral genome.
- 17. The method according to claim 13 wherein the nucleic acid molecule is inserted adjacent to the nucleoprotein gene of the viral genome.
- 18. The method according to claim 13 wherein the nucleic acid molecule substantially replaces the VSV glycoprotein gene.
- 19. The method according to claim 13 wherein the particle is administered orally.
- 20. The method according to claim 13 wherein the particle is administered intranasally.
 - 21. A method of preparing a pharmaceutical composition for passive

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immunization of an individual in need of immunization comprising:

administering to an animal a recombinant vesicular stomatitis virus (VSV) particle comprising a nucleic acid molecule encoding a foreign glycoprotein inserted into the viral genome;

harvesting antibodies from said animal; and

mixing said antibodies with a suitable excipient or carrier, thereby forming a pharmaceutical composition.

- 22. The method according to claim 21 wherein the foreign glycoprotein is a VHF glycoprotein or an immunogenic fragment thereof.
- 10 23. The method according to claim 22 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Machupo virus; a glycoprotein from Junin virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus.
 - 24. The method according to claim 21 wherein the nucleic acid molecule is inserted between the glycoprotein and polymerase genes of the viral genome.
 - 25. The method according to claim 21 wherein the nucleic acid molecule is inserted adjacent to the nucleoprotein gene of the viral genome.
 - 26. The method according to claim 21 wherein the nucleic acid molecule substantially replaces the VSV glycoprotein gene.
 - 27. The method according to claim 21 wherein the particle is administered orally.
- 25 28. The method according to claim 21 wherein the particle is administered intranasally.